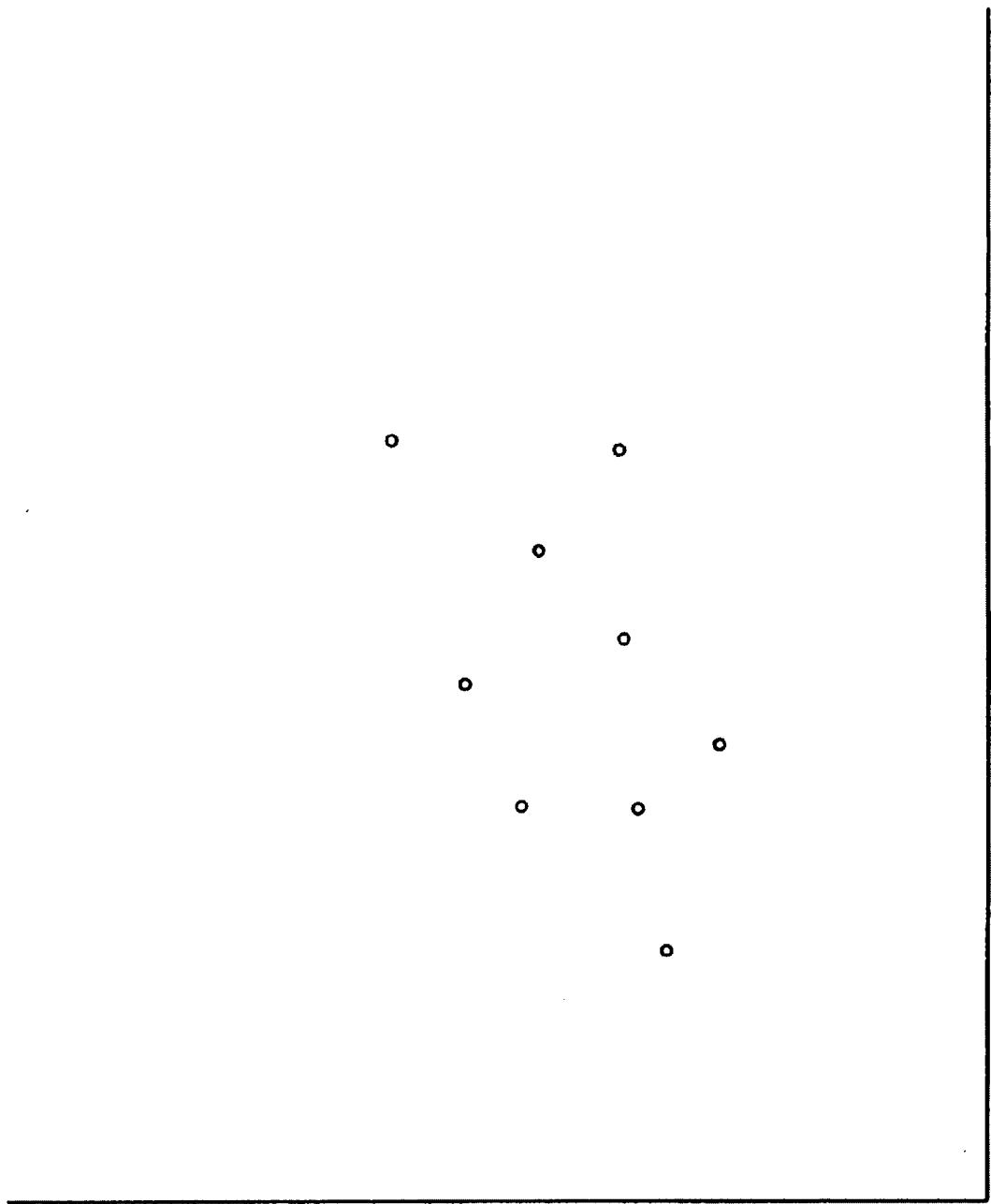
**FIG. 1**



**FIG. 2**

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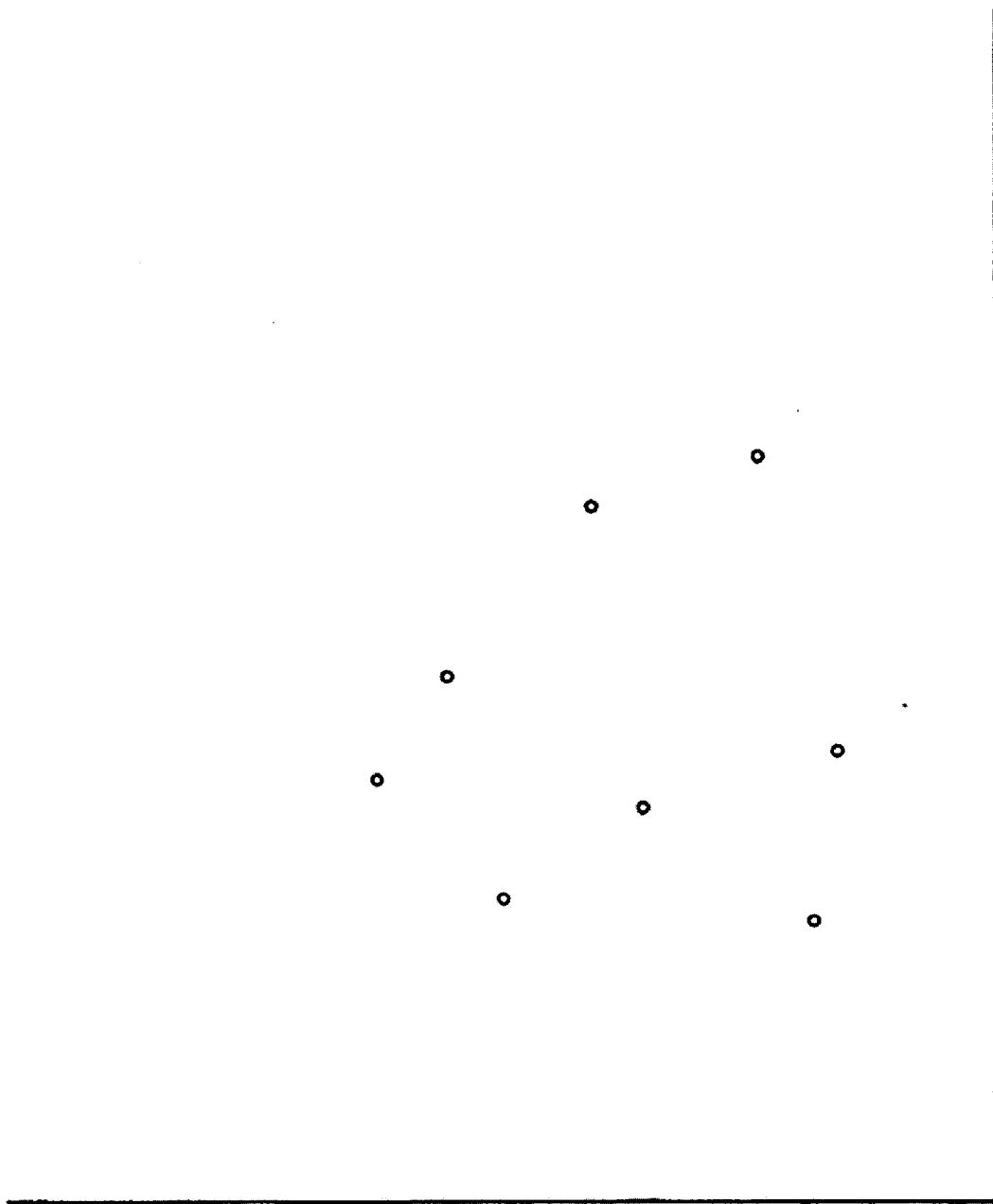


FIG. 3

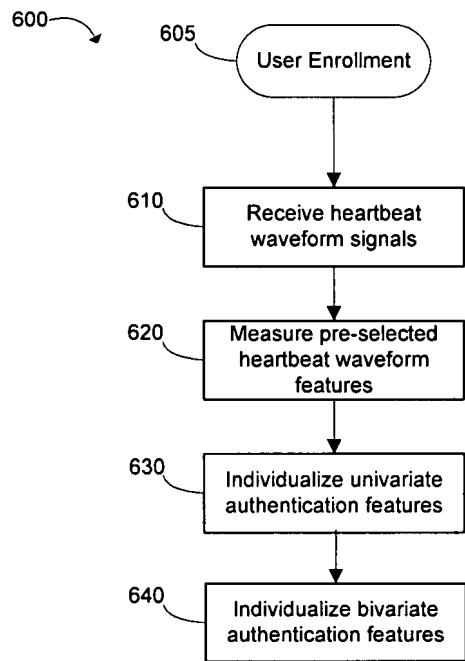
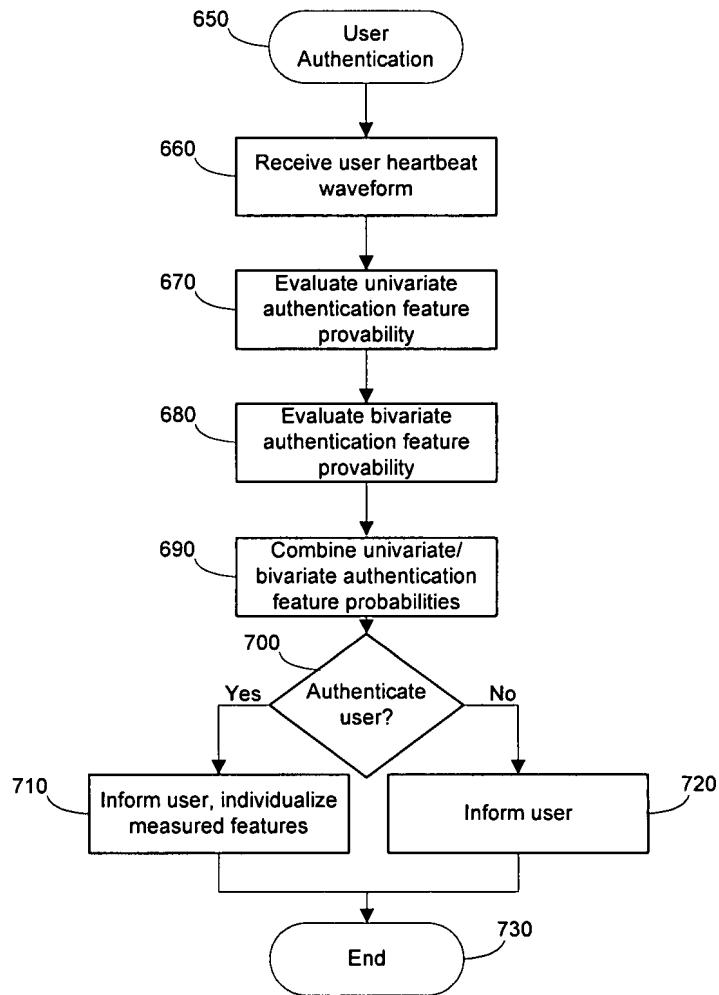
**TABLE A**

<b>Features of Heartbeat Wave Form</b>
Rate of change (slope) at all locations of the wave form. (There are n-1 of these per wave form. n= number of data points)
Shape of Peak associated with the strongest wave form feature
Shape of Peak associated with the dicrotic notch
Shape of Inverted Peak associated with dicrotic notch
Approach angle of Peak associated with the strongest wave form feature
Approach angle of Peak associated with the dicrotic notch
Approach angle of Inverted Peak associated with the strongest wave form feature
Approach angle of Inverted Peak associated with the dicrotic notch
Location of Peak associated with the strongest wave form feature
Relative location of Peak associated with the strongest wave form feature
Location of Peak associated with the dicrotic notch
Relative location of Peak associated with the dicrotic notch
Location of Inverted Peak associated with the dicrotic notch
Relative location of Inverted Peak associated with the dicrotic notch
Magnitude of Peak associated with the strongest wave form feature
Magnitude of Peak associated with dicrotic notch
Magnitude of Inverted Peak associated with dicrotic notch
Maximum rates of change along any defined segment of the wave form
Minimum rates of change along any defined segment of the wave form
Relative location associated with maximum rates of change along any defined segments of the wave form
Relative location associated with minimum rates of change along any defined segments of the wave form
Magnitude associated with maximum rates of change along a defined segment of the wave form
Magnitude associated with minimum rates of change along any defined segment of the wave form
Frequency of the wave form as determined by any data point

**FIG. 4**

<b>Features of Heartbeat Wave Form</b>
<b>Frequency of wave form as determined by a combination of data points</b>
<b>Trend measures associated with a feature</b>
<b>Trend measures associated with any segment and wave form</b>
<b>Cycles associated with any feature</b>
<b>Cycles associated with any segment of the wave form</b>
<b>Series associated with a feature</b>
<b>Series associated with a segment of the wave form</b>
<b>Variability estimates associated with features</b>
<b>Variability estimates associated with subsegments</b>
<b>Variability estimates associated with defined measures</b>
<b>Linear combination of features, segments, and data on a wave form</b>
<b>Non-linear combinations of features, segments, and data on a wave form</b>

**FIG. 5**

**Fig. 6a****Fig. 6b**